

controllers[[],] BSCs (BSCs) or radio network controllers, RNCs (RNCs). Extensive signaling also delays positioning. Upgrading of existing mobile stations may also be required.--

Please replace the paragraph beginning at page 4, line 13, with the following rewritten paragraph:

--A problem of terrestrial positioning methods utilizing received signal levels, requiring communication involving more than one site for, e.g., triangulation, is the small correlation of propagation path losses between different sites, rendering the distance estimates less reliable that the propagation of path losses between different sites is small, which renders the distance estimates less reliable--

05
10/8

Please replace the paragraph beginning at page 6, line 16, with the following rewritten paragraph:

--The ratio of respective received power in a neighboring cell/sector <<N1>> and over a serving cell/sector <<N1>> determines where on the TA band <<TA Band>> a mobile station is located. For a given TA band, the greater the ratio the closer to the cell/sector border between the serving cell/sector <<S>> and the neighboring cell/sector <<N1>> is the mobile station. A second ratio can be determined for an additional co-sited neighboring cell <<N2>> to be combined with the initially determined ratio to increase accuracy. If there are more than three sectors of the site, corresponding ratios can be determined also for additional number of co-sited neighbors to be included.--

Please replace the paragraph beginning at page 7, line 4, with the following rewritten paragraph:

--In a preferred mode of the invention, for a Mobile Station to be positioned, received signal levels from the base transceiver system <<BTS>> are averaged in a locating function of base station controller <<BSC>>. The signal levels delivered to SMLC thereby become less noisy and more stable. Further, excessive transmissions in the fixed network are avoided by averaging early in the transmission chain from BTS to